

WHAT IS CLAIMED IS:

1. A fabricating apparatus of an electro luminescence display device, comprising:
 - a print roller on which an organic material is spread in order to form a light emission layer corresponding to a pixel pattern on a substrate; and
 - a concave-convex pattern attached to the print roller, the concave-convex pattern including protrusions having a width of about 20~90% of a pitch of the pixel pattern with a designated gap therebetween.
2. The fabricating apparatus according to claim 1, wherein the width of the concave-convex pattern is about 40~60% of the pitch of the pixel pattern.
3. The fabricating apparatus according to claim 1, further comprising a plurality of minute grooves on the surface of the concave-convex pattern.
4. The fabricating apparatus according to claim 1, wherein the print roller includes a supply roller to supply the light-emitting material to the print roller.
5. The fabricating apparatus according to claim 1, further comprising barrier ribs formed on the substrate to partition off the pixel patterns.
6. A method of fabricating an electro luminescence display device, comprising:
 - adhering a resin plate to a rotating roller, the resin plate having a projected concave-convex pattern wherein projections of the concave-convex pattern have a width of 20~90% with respect to a pitch of a pixel pattern which is to be formed on a substrate;

applying an organic material to the resin plate; and
printing the organic material spread from the resin plate onto the substrate by rotating
the roller over the substrate.

7. The fabricating method according to claim 6, wherein the width of the
projections of concave-convex pattern is about 40~60% of the pitch of the pixel pattern.

8. The fabricating method according to claim 6, further comprising forming
barrier ribs on the substrate to partition off the pixel patterns.

9. The fabricating method according to claim 6, wherein light emission layers of
red, green and blue are formed on the substrate by repeating the adhering step, the applying
step and the printing step.